Year 7 Learning Map

- NUMBER
- ALGEBRA
- RATIO & PROPORTION
- STATISTISTICS/PROBABILITY
- GEOMETRY & MEASURE

Y8

Reasoning with Number

- Using counter examples
- Types of numbers Including prime factorisation
- Venn Diagrams
- Understanding and using set notation
- Powers & roots $\sqrt{\ }$
- Probability of A single event
- Using known facts to derive other facts
- Mental Arithmetic

Lines & Angles

SUMMER

- Understanding parallel & perpendicular
- Drawing triangles
- Drawing & interpreting Pie charts
- Constructing and measuring Lines and angles
- Recognise different types 2D shapes
- Calculating angles in Triangles & quadrilaterals
- Calculate angles on a Straight line, around a Point & vertically opposite

Fractional Thinking

- Mixed Problems
- Addition & Subtraction of Fractions —

Directed Number

- Four Operations
- Using Calculator
- Ordering 1,2,3 Directed Numbers

Applications of Number

SPRING

- Solving problems with perimeter, money, Frequency trees and tables
- Formal methods of Multiplication & Division
- Area of rectangles, triangles & parallelograms
- Addition & Subtraction Integers and Decimals
- Multiply & Divide by 10, 100 & 100
- HCF & LCM
- Calculating The mean

Place Value & Proportion

- Pie Charts
- Representing tenths/hundredths On number lines and diagrams
- Range and Median
- Comparing & Ordering
- Number lines
- Collecting Like Terms 2x+3x
- Equivalent Fractions =
- Converting between FDP
- Rounding to powers of ten & significant figures
- Integers & decimal place value up to one billion

Algebraic Thinking

Y6 OE S T Y7 AUTUMN

- Open evening
- Transition day
- Function Machines
- Substitution $3x$
- SATs
- Describe & continue sequences n
- Forming Expressions x
- One-step Equations $4x = 16$
- Equality & Fact Families $\equiv$